

Rothwell Urban District Council.

REPORT

OF


ROBERT STEVENSON, ESQ.,

MEDICAL OFFICER OF HEALTH.

1904.

ROTHWELL :
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Rothwell Urban District Council.

ANNUAL REPORT, 1904.

To the Chairman and Members of the Rothwell Urban District Council.

GENTLEMEN,

I beg to submit for your consideration the following Report of the Health and Sanitary condition of the Rothwell Urban District for the year ending 31st December, 1904.

Population.

From the Tables on page 11 you will observe that there are now 2,818 houses in occupation in your district, an increase of 46 during the past twelve months, and taking the number of inhabitants per house to be the same as last year, I estimate the population at 13,250, and the various rates set forth in the following Report are estimated accordingly.

Births.

The total number of births registered during the past twelve months amounted to 420, and consisted of 208 males and 212 females. Last year the registered births numbered 454. The births recorded in the Sub-Registration District of Rothwell numbered 242, and comprised 118 males and 124 females. In the Sanitary District of Rothwell situated in the Sub-Registration District of Ardsley, the births recorded amounted to 178, and comprised 90 males and 88 females. Compared with last year there is a decrease in the number of births registered in Rothwell and Stourton to the extent of 31, and in Lofthouse-with-Carlton and Thorpe there is also a decrease of 3.

Birth Rate.

The birth-rate for the entire District is 31·62 per thousand inhabitants, as against 34·92 last year and 31·28 in 1902.

Illegitimate Births.

The illegitimate births numbered 18, and comprised 9 males and 9 females. Eleven of the above number belong to Rothwell, and Stourton, and the remaining 7 to Lofthouse and Carlton. The illegitimate births are in the proportion of 1 in 23 of all the births registered. Last year the proportion was 1 in 56, and in 1902 it was 1 in 30.

Deaths.

The total number of deaths registered for the entire district during the twelve months ending 31st December last numbered 191, and comprised 96 males and 95 females. The number registered in the Rothwell Sub-Registration District numbered 110, and comprised 59 males and 51 females. The number registered in the Ardsley Sub-Registration portion of your district numbered 81, and comprised 37 males and 44 females. The total number of deaths registered during 1903 amounted to 215.

Death Rate.

The death-rate is 14·41 per thousand inhabitants as against 16·53 last year, and 15·17 in 1902. Forty-four per cent. of the registered deaths consisted of children under five years of age, and 22 per cent. were those of persons aged 65 years and upwards. The corresponding numbers for last year were 49 and 14 respectively.

Infant Mortality.

Sixty-one of the registered deaths were those of infants under one year of age. The infant mortality or the proportion of deaths under the age of one year to the registered births is 145 per thousand and is 31 per cent. of the deaths at all ages. Last year the infant mortality was 171 per thousand registered births, and in 1902 it was 183. There is a satisfactory decrease in the infant mortality throughout your district, and though it still remains highest in the Stourton Ward, there is, with the exception of the North Ward, a larger proportionate decrease in the Stourton Ward than in any of the others.

Inquests.

Ten Inquests were held during the past twelve months. Four of the above were held in the North Ward, 2 in the South Ward, 2 in the Stourton Ward, 1 in the Lofthouse Ward, and 1 in the Carlton Ward. The causes of death were returned as follows:—Killed 2, Drowned 2, Heart Failure 1, Paralysis 1, Convulsions 1, Cut Throat 1, Suffocated 1, Apendicitis 1.

Zymotic Diseases.

Twenty-two deaths were registered as due to the following Zymotic Diseases, viz., Small-pox 2, Measles 1, Scarlet Fever 2, Typhoid Fever 6, Diarrhœa 9, and other Septic Diseases 1.

Zymotic Death Rate.

The Zymotic Death Rate is 1·66 per thousand inhabitants as against 2·61 last year, 1·25 in 1902, and 1·85 in 1901. It is satisfactory to note that whereas the Zymotic death rate in the Stourton Ward has in former years been largely in excess of that in the other Wards of your district it is this year the lowest with the exception of Lofthouse. Last year the Zymotic death rate for Stourton Ward was 4·25 and this year it is only 1·04.

Notification of Infectious Diseases.

During the year ending 31st December last 165 cases of Infectious Diseases were notified as compared with 145 last year and 91 in 1902. They were as follows:—Scarlet Fever 77, Typhoid Fever 44, Diphtheria 29, Erysipelas 10, and Small-pox 5. Of the above 36 belonged to the North Ward, 37 to the South Ward, 18 to the Stourton Ward, 26 to the Lofthouse Ward and 48 to the Carlton Ward. The following table gives particulars as to the numbers of the different infectious diseases belonging to each Ward:—

			Scarlet Fever	Typhoid Fever	Diphtheria	Erysipelas	Small Pox	Total 1904	Total 1903	Total 1902	Total 1901	Total 1900
North Ward	...	...	26	12	5	3	...	36	13	22	20	22
South Ward	...	...	24	5	6	2	...	37	23	18	35	20
Stourton Ward	...	...	6	5	6	1	...	18	37	25	15	13
Lofthouse Ward	...	...	14	7	2	1	2	26	50	13	36	45
Carlton Ward	...	...	7	25	10	3	3	48	22	13	14	26
Total 1904	...	...	77	44	29	10	5	165				
Total 1903	...	...	56	30	46	12	1	145				
Total 1902	...	...	38	19	21	13	0	91				
Total 1901	...	...	31	24	49	11	8	120				
Total 1900	...	...	54	7	53	12	0	126				

Scarlet Fever.

During the twelve months ending 31st December last, 77 cases of Scarlet Fever were notified as against 56 last year and 38 in 1902. One case proved fatal, as against 2 last year and 1 in 1902. The cases notified were located as follows:—North Ward 26, South Ward 24, Stourton Ward 6, Lofthouse Ward 14, and Carlton Ward 7. Although at no time during the year did the disease assume epidemic form it was more or less prevalent throughout your entire district during the whole year, though the large majority of the cases were located in the North and South Wards. The disease had been of an exceptionally mild type, and many of the cases were in the peeling stage before they were notified, and were only discovered when a medical man had been called in to treat the patient for some illness resulting from the disease. Frequently when a medical man has been called in to attend a child suffering from Scarlet Fever he has found others in the same family recovering from the disease, but who were never so ill as to require medical attendance, and though the parents have observed the children covered with a rash and knew they were suffering from slight sore throat they have in many instances thought it unnecessary to seek medical advice and have likewise neglected to

notify the cases. Many children are allowed to run about and even return to school when they should be kept strictly isolated, and it is such cases which cause the disease to linger and spread and make it impossible for the Sanitary Authority to cope with it, even when an Isolation Hospital is available, for it is of little use, as far as preventing the spread of the disease is concerned, to remove severe cases to the hospital, if mild cases are neither treated medically nor kept under observation.

Typhoid Fever.

Forty-four cases of Typhoid Fever were notified during the twelve months ending December 31st, 1904, as against 30 cases last year, and 19 in 1902. The cases notified were located as follows:—North Ward 12, South Ward 5, Stourton Ward 5, Lofthouse Ward 7, and Carlton Ward 25. Six of the above proved fatal as against 6 last year, 4 in 1902, and 6 in 1901. The fatal cases were located as follows:—1 in the South Ward, and 5 in the Carlton Ward. A number of the cases notified were of sporadic origin and in others the disease supervened on some previous illness. At the end of July the disease broke out in Carlton Ward and as the first cases were not notified for two or three weeks after their illness commenced no special precautions against the spread of the disease had been taken. One of the first cases notified was being treated in the kitchen where the food was cooked and the meals taken. The privy ashpit used by this family and into which the excreta from the patient was emptied was situated in a yard surrounded by dwelling houses and distant from them only a few feet, and was used by all the people living in the yard. The patient was being nursed and attended to by the members of the household and by the neighbours. No fewer than 23 out of the 44 cases notified were directly traceable to the cases above mentioned. The epidemic was of a very malignant type and several families had become infected before any sanitary precautions had been taken. Immediately after notification nearly all the patients were removed to the Isolation Hospital and every means taken to prevent the spread of the disease, and the result was that the epidemic was confined to the centres originally involved. It was discovered on enquiry that shortly before this outbreak the supply of gravitation water had been now and again irregular, and several families had been using water from wells in their gardens, and it was members of these families who were the first victims. On analysis the water was found to have undergone extensive contamination by drainage or similar impurity, and the greater part of the polluting matter had subsequently undergone spontaneous destruction by oxidation. Such water should always be regarded with suspicion and its use for drinking should be abandoned. These wells are now closed. Although 6 deaths were registered as due to Typhoid Fever, the death rate from this disease would, considering the malignant nature of the epidemic,

have been much higher but for the fact that the patients were removed to the Hospital, where they had every care and attention paid to them. Considering that the recent epidemic is the worst we have experienced for several years it is satisfactory to notice that the death rate is much less than in previous years, as the following figures will show :—This year there were 44 notifications with 6 deaths ; in 1903 there were 30 notifications with 6 deaths, in 1902 there were 19 notifications with 4 deaths, and in 1901 there were 24 notifications with 6 deaths. This year nearly all the cases were treated in the Isolation Hospital, but in former years all the cases were treated in their own homes.

Measles.

One death was recorded as due to Measles for the year ending 31st December, 1904, as against 4 last year, 5 in 1902, and 3 in 1901. The fatal case belonged to the North Ward and took place early in January, since when your district has been almost entirely free from this disease. For several years past the deaths due to Measles and its complications formed a large proportion of the deaths recorded as due to Zymotic diseases.

Whooping Cough.

Two deaths were recorded as due to Whooping Cough and its complications for the year ending 31st December, 1904, as against 5 deaths in 1903, 1 in 1902, and 4 in 1901. The fatal cases were located as follows :—North Ward 1, and Stourton Ward 1. As in the case of Measles your district has been comparatively free from Whooping Cough during the year just ended.

Small Pox.

Five cases of Small Pox were notified during the year ending 31st December last, as against 1 last year, none in 1902, and 8 in 1901. The cases were located as follows :—Lofthouse Ward 2, and Carlton Ward 3. Two of the cases notified proved fatal, 1 in Lofthouse Ward, and 1 in Carlton Ward. Early in January a young man came from Nottingham and obtained work at the Robin Hood Coke Works and became a lodger with a relative residing in Pawson's Houses, Loft-house Road. A few days after he came he was slightly sick and noticed a few spots on his body, but he did not consult a medical man and was only off work two or three days. On January 25th, two of his fellow workmen were notified as suffering from Small Pox, one of these being the relative with whom he lodged. Both cases were removed to Sty Bank Hospital the same day and all the contacts were re-vaccinated and kept under strict observation and every precaution taken to prevent the disease spreading, and the result was that no further case occurred. One of the cases removed to the hospital died there. This patient had not been vaccinated and the disease in his case was of the confluent or malignant type. The other patient had

been vaccinated in infancy and in his case the disease was of a very mild type. On October 26th last, a woman residing in Spurr Row, Robin Hood, was confined and was attended by a mid-wife. On the same day she was seen by a medical man and he noticed that the patient's face, wrists, and body were covered with a rash, and two days afterwards he notified the case as one of Small Pox. The patient, along with her baby, were at once removed to Carr-Gate Hospital and on the day of admission the infant was vaccinated, but on the fourth day after admission it developed Small Pox and died. The mother who had been vaccinated in infancy made a good recovery. In this case, as in the others in Pawson's Houses, all the other inmates of the house were promptly re-vaccinated and kept under careful supervision, and none of them developed Small Pox. The mid-wife, who had been vaccinated in infancy, refused to be re-vaccinated, and on November 7th she developed Small Pox, and was also removed to Carr-Gate Hospital, where she made a good recovery. All the members of her household, together with several other contacts, were re-vaccinated, and all necessary precautions taken to prevent the further spread of the disease, and the result was that no further case occurred.

Diphtheria.

Twenty-nine cases of Diphtheria were notified during the twelve months ending 31st December, 1904, as against 46 cases in 1903, and 21 cases in 1902. The cases notified were located as follows :—North Ward 5, South Ward 6, Stourton Ward 6, Lofthouse Ward 2, and Carlton Ward 10. None of the cases proved fatal. Last year there were 9 fatal cases, all in the Stourton Ward.

Diarrhœa.

Diarrhœa of an epidemic character was prevalent throughout your district during the months of August and September, the large majority of the cases being those of infants and young children, and no fewer than 9 of the 22 deaths recorded as due to Zymotic diseases were caused by epidemic Diarrhœa or Gastro-Enteritis.

Erysipelas.

Ten cases of Erysipelas were notified during the past twelve months as against 12 in 1903, and 13 in 1902. The cases notified were located as follows :—North Ward 3, South Ward 2, Stourton Ward 1, Lofthouse Ward 1, and Carlton Ward 3. None of the above proved fatal.

Zymotic Deaths in various Wards.

				Scarlet Fever	Typhoid Fever	Septicæmia	Measles	Whooping Cough	Diarrhoea	Small-pox	Total	Zymotic Death Rate
Urban District Area	...	...	...	1	6	1	1	2	9	2	22	1·66
North Ward	...	...	...	...	...	...	1	1	3	...	5	2·10
South Ward	...	...	...	...	1	...	...	...	2	...	3	1·17
Stourton Ward	...	...	...	...	...	...	...	1	2	...	3	1·04
Lofthouse Ward	...	...	...	...	...	...	...	...	1	1	2	0·72
Carlton Ward	...	...	...	1	5	1	...	...	1	1	9	2·94

Births and Deaths in various Wards.

				BIRTHS.			DEATHS.			Total excess Births over Deaths.
				Males	Fe- males	Total.	Males	Fe- males.	Total.	
Urban District Area	...	...	...	208	212	420	96	95	191	230
North Ward	...	...	...	34	35	69	19	12	31	38
South Ward	...	...	...	37	50	87	18	20	38	49
Stourton Ward	...	...	...	47	39	86	22	19	41	45
Lofthouse Ward	...	...	...	48	39	87	14	17	31	56
Carlton Ward	...	...	...	42	49	91	22	27	49	42

Vital Statistics for the Year 1904 for England and Wales.

1904.	England and Wales.	Great Towns. (76)	Smaller Towns. (142)	England and Wales less the 218 Towns
BIRTH-RATE	27·9	29·1	27·5	26·8
DEATH-RATE	16·2	17·2	15·6	15·3
Zymotic Death-rate	1·94	2·49	2·02	1·28
Infantile Mortality (per 1,000 births)	146	160	154	125

It may be noted that the Birth-rate for England and Wales is the lowest on record.

Causes of, and ages at, death during the year 1904
in various Wards.

CAUSES OF DEATH.	Deaths in or belonging to Localities (at all Ages).					
	N.W.	S.W.	St. W.	Lt.W.	Cn.W.	Total.
Measles	1	...	...	...	...	1
Scarlet Fever ... ..	...	...	...	...	1	1
Small-pox ... ..	...	..	...	1	1	2
Whooping-cough	1	..	1	...	...	2
Typhoid Fever ... ..	...	1	...	..	5	6
Diarrhœa	3	2	2	1	1	9
Enteritis	1	...	...	1	...	2
Phthisis ... ..	...	1	2	...	5	8
Other septic diseases ... ..	...	...	...	...	1	1
Other tubercular diseases	3	6	6	5	7	27
Cancer, malignant disease	2	3	2	3	3	13
Bronchitis	1	5	7	4	6	23
Pneumonia	3	1	...	2	2	8
Pleurisy ... ..	...	...	...	1	...	1
Other respiratory diseases ... ..	...	...	5	2	1	8
Alcoholism	1	...	...	...	...	1
Premature Birth ... ..	...	2	1	1	2	6
Heart disease	2	4	4	...	4	14
Accidents ... ..	...	...	1	1	1	3
Suicides	2	1	...	...	..	3
Congenital debility	2	1	2	...	3	8
Convulsions, Dentition	1	1	...	2	2	6
All other causes ..	7	10	8	8	5	38
Totals	30	38	41	32	50	191

The above is the history of Zymotic Disease in your District during the twelve months ending December 31st last. Every house from which a case of infectious disease was notified, was visited, and in every case disinfectants were supplied, defective drains or gullies repaired or reconstructed, sanitary defects made good, and proper means taken to prevent the disease from spreading.

The following statistics and Tables explain themselves :—

Age at Death.

The following Table epitomises the ages at which deaths occurred in your district :—

Deaths under 1 year of age ...	...	...	61	} 85 under 5 years.
„ over 1 year and under 5 years ...	...	...	24	
„ „ 5 „ „ 15 „	...	...	7	
„ „ 15 „ „ 25 „	...	...	13	
„ „ 25 „ „ 65 „	...	...	44	
„ „ 65 „ „ ...	...	...	42	

Total Deaths at all ages ... 191

The grouping into various ages is in accordance with the Schedules furnished by the Local Government Board, which are duly filled in and accompany this Report.

Estimated Population, Number of Deaths, &c., with rates.

Year	Estimated Population	No. of Deaths	No. of Births	Death rate per 1000 inhabitants	Birth Rate per 1000 inhabitants	Deaths under 1 year to 1000 births	Zymotic Death Rate
1904	13,250	191	420	14.41	31.62	145	1.66
1903	13,000	215	454	16.53	34.92	171	2.61
1902	12,722	193	398	15.17	31.28	188	1.10
1901	11,855	190	435	16.02	36.60	158	1.85

No. Inhabited Houses, Population, &c., at Census, 1901, &c.

	Census.	Number Inhabited Houses.	Population.	Number Inhabitants per house
Rothwell Urban District Area	... 1901	2,487	11,702	4.70
do.	... 1891	1,296	6,205	4.78
do.	... 1881	1,077	5,103	4.73

Infant Mortality in various Wards.

	No. Inhabited Houses.	No. Inhabitants.	No. Inhab't's per house.	No. Births registered	Birth Rate.	Deaths under 1 year.	Deaths under 1 year per 1000 Births.
Urban Dis. Area	2,818	13,250	4.69	420	31.62	61	145
North Ward ...	514	2,374	4.61	69	29.06	9	130
South Ward ...	555	2,553	4.59	87	34.07	13	149
Stourton Ward...	592	2,877	4.86	86	29.89	15	173
Lofthouse Ward	589	2,733	4.64	87	31.83	10	115
Carlton Ward ...	570	2,713	4.76	91	33.54	14	153

Deaths in various Wards.

	Popu- lation.	Deaths at all Ages.	Death- Rate.	Deaths under one Year.	Deaths under one year per 1,000 Births.	Zymotic Deaths.	Zymotic Death- Rate.
Urban Dis. Area	13,250	191	14.41	61	145	22	1.66
North Ward ...	2,374	30	13.05	9	130	5	2.10
South Ward ...	2,553	38	14.88	13	149	3	1.17
Stourton Ward ...	2,877	41	14.23	15	173	3	1.04
Lofthouse Ward	2,733	32	11.34	10	115	2	0.72
Carlton Ward ...	2,713	50	18.07	14	153	8	2.94

Sanitary Report.

Table C. which is duly filled in and appended to this report contains full particulars as regards Water Supply, Excrement Disposal, Sanitary Work during 1904, &c., &c.

Water Supply.

The following extensions have been carried out during the twelve months ending 31st December last, viz :—

214 yards 2-inch C. I. main at Lingwell Gate.

80 „ 3-inch „ Atkinson's Houses, Haigh Park.

294.—Total.

There are still 27 houses in your district not connected with the mains, but as these are mostly situated in isolated positions they must of necessity continue to derive their supply from wells and rain-water cisterns. The quantity of water supplied to the various portions of your district amounted to 101,923,000 gallons, for the twelve months ending 31st December last, which is in the proportion of 21 gallons daily per head of the population. The supplies were derived from the following sources and in the following quantities, viz :—

Leeds Corporation	...	70,956,000 gallons	} Total gallons
Morley „	...	30,967,000 „	
			101,923,000.

There is still occasionally a shortage in some parts of the Lofthouse Ward and some plan should be adopted which would ensure a constant and abundant supply for domestic purposes.

The following Table shows the number of houses in the different portions of your district which are now deriving their supply from wells, &c.

District.	No. Houses connected with the Mains.	No. Houses Not Connected
Rothwell ...	1,662	19
Carlton ...	547	2
Lofthouse ...	411	6
Thorpe ...	218	0
Totals ...	2,838	27

Drainage.

The following extensions have been carried out during the past twelve months, viz:—

266	yards	9-inch	pipe	sewer	at	Ouzlewell Green.
36	„	„	„	„		Haigh Road.
70	„	„	„	„		Royds Lane.

Total 372 yards 9-inch pipe sewer.

The scheme for the construction of sewers and sewage disposal works on the Haigh Park estate for the treatment of the sewage of Stourton, which has been under the consideration of your Sanitary Committee, has received the sanction of the Local Government Board, and steps have already been taken to have their construction commenced without further delay. In the meantime the main sewer in Pontefract Road continues to be regularly and carefully attended to.

Throughout your district satisfactory progress continues to be made with the rebuilding and reconstructing of defective privies and ash-pits and providing new ones. The various cow-sheds and slaughter-houses in your district have been visited by your Sanitary Committee, accompanied by your Medical Officer and Inspector, and with one or two exceptions all were found to be in a satisfactory condition. All the workshops in your district have been visited and inspected by your Medical Officer and Inspector, and all were found satisfactory. The workshops number 32, and include 2 bakehouses and 6 domestic workshops. The following is a summary of the work done during the past year:—

Number of closets erected for New Houses				...	59
Kinds...	{	Water Closets	... 21		
		Privies	.. ... 30		
		Trough Closets	... 8		
			<hr/>		
		Total	... ..	59	
Number of Ashpits erected for New Houses				...	25
Kinds	{	Dry Ashpits	... 6		
		Privy Ashpits	... 19		
			<hr/>		
			25		
Number of Sinks disconnected			... ..	...	43
„	„	trapped	... ..	...	9

The work of connecting the house drains with the sewer is being steadily persevered with, and during the past year 51 have been properly connected. The following table furnishes details:—

Houses.	Number.	No. yards 6-inch Drains.	No. yards 4-inch Drains.
New	45	1,322	1,136
Old	6	30	10

In all, 372 yards have been added to the existing sewers and 2,498 yards 6-inch and 4-inch drains in connection with new and old houses have been completed.

Infectious Diseases Hospital.

The Infectious Diseases Hospital for the treatment of patients suffering from Scarlet Fever, Typhoid Fever, and Diphtheria was opened in June last. From the date of opening up to 31st December last, 71 cases of infectious disease belonging to your district have been admitted; these comprise 31 cases of Scarlet Fever, 27 of Typhoid Fever, and 13 of Diphtheria. If the hospital is to be a real benefit and the means by which an infectious disease is to be stamped out or prevented from spreading it is essential that first cases in any part of your district should be promptly notified and every assistance given to your officials by parents and guardians, so that patients may be removed thither without delay.

Factory and Workshop Act.

The various factories and workshops in your district have been regularly visited, and the requirements of the Act have been enforced. The necessary Tables have been properly filled in and forwarded to the Home Office, Local Government Board, and County Council.

Mortuary.

A Public Mortuary has been erected on a convenient site in the Stourton Ward, and is now ready for use.

Sanitary Inspector's Report.

The Sanitary Inspector's Report, giving full and detailed information regarding the work done in his department during the past year, will be found at page 20.

In conclusion I beg to thank your Council for their continued kindness and courtesy and I would especially thank the Chairman and members of the Sanitary Committee for their loyal support in carrying out needed reforms.

Yours respectfully,

Robert Stevenson,

Medical Officer of Health.

Rothwell, January 23rd, 1905.

TABLE I.

Vital Statistics of Whole District during 1904 and previous years.

Name of District—ROTHWELL URBAN.

YEAR.	Pop'lotion estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT	
				UNDER 1 YEAR OF AGE.		AT ALL AGES			
		Num- ber.	Rate *	Num- ber.	Rate per 1,000 Births regis- tered.	Num- ber.	Rate *	Num- ber.	Rate *
1894	11,250	371	32·9	64	172	174	15·4	174	15·4
1895	11,550	396	34·2	61	154	186	16·1	186	16·1
1896	11,850	406	34·2	61	150	185	15·6	185	15·6
1897	12,200	397	32·5	58	146	156	12·8	156	12·8
1898	12,750	366	28·7	38	103	136	10·6	136	10·6
1899	13,200	435	32·9	66	151	197	14·9	197	14·9
1900	13,600	388	28·5	73	180	208	15·2	208	15·2
1901	11,855	435	36·6	69	158	190	16·0	190	16·0
1902	12,722	398	31·28	73	183	193	15·17	193	15·17
1903	13,000	454	34·92	78	171	215	16·53	215	16·53
Averages for years 1894-1903.	12,397	404	32·67	64	156	184	14·83	184	14·83
1904	13,250	420	31·62	61	145	191	14·41	191	14·41

* Rates calculated per 1,000 of estimated population.

Total population at all ages —11,702.

Number of inhabited houses 2,487.

Average number of persons per house—4·29

} At Census of 1901.

Area of District in acres (exclusive of area covered by water)—5,742.

Is the Union Workhouse within the District?—Yes.

TABLE II.

Vital Statistics of separate Localities in 1904 and previous years.

Name of District—ROTHWELL URBAN.

Name of Locality.—ROTHWELL URBAN.						
YEAR.			Population esti- mated to middle of each year	Births regis- tered.	Deaths at all Ages.	Deaths under 1 year.
1894	...	..	11,250	371	174	64
1895	...	...	11,550	396	186	61
1896	...	...	11,850	406	185	61
1897	...	...	12,200	397	156	58
1898	...	...	12,750	366	136	38
1899	...	...	13,200	435	197	66
1900	...	...	13,600	388	208	73
1901	...	...	11,855	435	190	69
1902	...	...	12,722	398	193	73
1903	...	...	13,000	454	215	78
Averages of years 1894 to 1903 ...			12,397	404	184	64
1904	...	...	13,250	420	191	61

TABLE III.

Cases of Infectious Disease notified during the Year 1904.

ROTHWELL URBAN DISTRICT.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							No. of cases removed to Hospital from each locality.
	At all Ages.	At Ages—Years.						Rothwell Urban.
		Under 1.	1 to 5	5 to 15.	15 to 25.	25 to 65.	65 and upw'ds	
Small-pox ...	5	1	...	...	...	4	...	5
Diphtheria ...	29	...	10	16	3	...	...	13
Mem'b'nous Croup	...	...	...	...	...	...	...	...
Erysipelas ...	10	...	1	...	3	6	...	...
Scarlet fever ...	77	2	26	42	6	1	...	31
Enteric fever ...	44	.	...	4	19	21	...	27
Continued fever	...	...	..	..	...	...	...	...
Totals ...	165	3	37	62	31	32	...	76

Isolation Hospital—Sty Bank.

TABLE IV.

Causes of, and Ages at, Death during Year 1904.

ROTHIWELL URBAN DISTRICT.

CAUSES OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.						
	All ages.	Under 1 year	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards
Small-pox	2	1	...	...	...	1	...
Measles	1	...	...	1	...	...	...
Scarlet Fever	1	...	1	...	...	...	...
Whooping Cough	2	1	...	1	...	...	...
Fever—Enteric	6	...	...	...	2	4	...
Diarrhœa	9	8	...	...	...	...	1
Enteritis	2	2	...	...	...	...	...
Other septic diseases	1	1	...	...	...	...	...
Phthisis	8	...	...	...	3	4	1
Other tubercular diseases	27	11	11	3	...	2	...
Cancer, malignant disease	13	...	...	...	1	8	4
Bronchitis	23	6	4	1	2	5	5
Pneumonia	8	1	4	...	...	2	1
Pleurisy	1	...	1	...	...	...	...
Other diseases of Respiratory organs	8	5	2	...	...	1	...
Alcoholism—Cirrhosis of liver	1	...	...	...	...	...	1
Premature Birth	6	6	...	...	...	...	...
Heart Diseases	14	...	...	...	2	4	8
Accidents	3	1	...	...	1	1	...
Suicides	3	...	...	...	1	1	1
Congenital Debility	8	8	...	...	...	...	...
Convulsions	6	6	...	...	...	...	...
All other causes	38	6	2	2	2	8	18
All causes	191	61	24	7	13	44	42

TABLE C.—1904.

ROTHWELL URBAN SANITARY DISTRICT.

MEDICAL OFFICER OF HEALTH, ROBERT STEVENSON. Salary £60.

SANITARY INSPECTOR, ERNEST FREDERICK MOORHOUSE. Salary £123 10s. What other positions does the Sanitary Inspector fill?—Inspector of Canal Boats and Building Inspector.

WATER SUPPLY—

Quality?—Good. Action on Lead?—None.

Any extensions or change during 1904?—214 yards 2in. C. I. mains and 80 yards 3in. mains. Any inadequacy in any part?—Lofthouse occasionally.

SEWERAGE—

Is the district systematically sewered?—Yes. Is rainfall from roads excluded?—Partly.

Extensions or Improvements during 1904?—872 yards 9in. pipe sewer, 4 manholes, and 2 ventilating shafts.

Any inadequacy, and where?—At Stourton. Scheme sanctioned by Local Government Board.

SEWAGE DISPOSAL—

System Adopted?—Chemical treatment and land filtration. Any extensions in 1904?—No. Any complaint in neighbourhood of sewage works?—No.

SCAVENGING—

Are the privy-middens, ash-places, etc., cleansed by Sanitary staff, by Contractors, or by Owners and Tenants?—Sanitary Staff and Contractors. Any inadequacy of scavenging?—No.

ADOPTIVE ACTS—

Acts adopted during 1904 (or parts)?—None.

Any diseases added to Notification schedule *e.g.*, Measles, Chicken-pox, &c.?—No. Any system of voluntary notification of Phthisis?—No.

BY-LAWS—Any adopted or sanctioned during 1904?—

(a) Under the Public Health Act, 1875—No.

(b) Under the Public Health Acts (Amendment) Act, 1890—No.

REGULATED BUILDINGS, TRADES, &c.	No. in District	No. on Regist'r	No. In- spected	General Condition?	Legal Proce'd- ings (if any).
Common Lodging Houses...	...	...	...	...
Canal Boats ... ..	...	...	52	Good	
Slaughter Houses	7	7	7	Very Good	
Cowsheds	61	61	61	Good	
Offensive Trades :	4	4	4	Good	
1 Tripe Boiler and 3 Fat Extractors.					

COWSHEDS—Give date of Regulations in force under D.C.M. Order—20th March, 1900.

Any special inspection made during 1904?—Annually by Sanitary Committee.

Any action taken by outside Authorities, *e.g.*, under 'Milk Clauses' concerning milk supplied from this district?—Cowsheds inspected by Leeds Officials in 1904, and milk supply stopped in 2 cases in 1903

INFECTIOUS DISEASE—What disinfecting apparatus is available?—Steam disinfecter at Hospital.

How are dwellings disinfected?—Sprayed with Formalin Solution and fumigation by Formalin Tablets.

Any placards or handbills issued during 1904?—None.

SCHOOLS—No. closed during 1904 on account of sickness? None.

Any ailment or contagious disease associated particularly with school life during 1904? None.

FACTORY AND WORKSHOP ACT—

No. of Workshops in the district as per Register—32. No. of inspections made during 1904—64. Legal proceedings—0.

No. of Bakehouses included in above—2. No. of Underground Bakehouses in district—0.

No. of Domestic Workshops in above—6. No. of Domestic Factories in district—0. No. of Lists of Outworkers received—0.

Any action as to unwholesome or infected Outworkers' premises?—No.

DWELLINGS—Number of Houses built during 1904—45. General character—Through. Any houses unfit for habitation?—5, still in existence.

Any overcrowding of persons in houses?—1 (abated during 1904.)

Any action taken under the Housing of the Working Classes Acts?—7 houses condemned and closed.

Is house-to-house inspection systematically made?—Yes. Are records kept?—Yes.

NUISANCES—

Total No. of Nuisances in hand at close of 1903—9. At close of 1904—5. Reported during 1904—91. Abated during 1904—343.

Total No. of Legal Notices served for Abatement of Nuisances during 1904—26.

Total No. of Summonses or other Legal Proceedings—None.

No. of Sink wastes disconnected during 1904—43.

No. of " " trapped " 9.

No. of Closets newly constructed during 1904—59. Kinds 21 w.c., 30 Privies, 8 Trough Closets.

No. of Closets reconstructed during 1904—28 Privy Middens. Kinds—28 privies and 1 converted into w.c., 16 ashpits, of which 13 rebuilt and 3 covered in.

What action has been taken in regard to the following matters?

Seizures of Unsound Food, 0. Prosecutions, 0.

Samples under Sale of Food and Drugs Acts, 14. Prosecutions, 0.

Has there been any poisoning during 1904 attributable to arsenical beer?—No.

River Pollution, 0.

Smoke observations taken, 19. Legal Notices, 0. Summonses, 0.

Burial Grounds—No. in District, 3. Any need for extension?—No.

Mortuaries—No. in District (a) for accidents, 1 at Stourton; (b) others—1 at Infectious Hospital and 1 at Workhouse.

BIRTHS during 1904—Males 208, Females 212. Total 420.

Number illegitimate, included in above, 18. Number of Still Births (not included), 0.

DEATHS during 1904—(1) GROSS DEATHS, i.e., Total actually registered in the district, without any correction, 191. (2) *Nett Deaths* on which the rates are calculated—Males 96, Females 95. Total 191.

Number uncertified, included in the above—None.

Sanitary Requirements of District, and Suggestions of Medical Officer of Health :—Small Pox accommodation and Stourton Sewage.

Report by E. F. Moorhouse,

INSPECTOR OF NUISANCES.

Gentlemen,

The following Report, considered with previous reports, shows very largely the progress of sanitation in your district:—

Correspondence.

Number of letters written and notices served, 301.

Number of inspections to drainage	...	...	...	91
„ inspections and visits for abatement of nuisances	...	...	...	103
„ appointments kept	...	...	...	109

Nuisances.

Number of nuisances abated	...	...	...	343
„ complaints registered	...	...	...	91
„ unabated nuisances on books December 31st, 1904	...	...	...	5

Details of nuisances abated :—

No. of stopped drains cleared	...	34	No. of defective roofs repaired	21
„ stopped water closets cleared	...	2	„ defective eaves spouting repaired	23
„ stopped waste water closets cleared	...	21	„ offensive accumulations removed	21
„ houses drained to main sewer	...	6	„ alterations to ashpits	32
„ defective drains completely relaid	...	16	„ damp cellars drained	6
„ existing house drains ventilated	...	3	„ overcrowded houses abat'd	1
„ existing house drains disconnected	...	43	„ dirty houses&yards cleaned	5
„ new sink pipes inserted	...	7	„ new cesspools constructed for relaid drains	1
„ sink pipes trapped	...	9	„ urinals reconstructed	1
„ new sinks	...	2	„ defective water supply from defective pipes	19
„ intercepting chambers to existing drainage	...	5	„ closets limewashed	31
„ intercepting traps to existing drainage	...	5	„ manure chambers built	3
			„ foul wells filled up	1
			„ swine removed	3
			Miscellaneous	22

Old drains tested { Found satisfactory ... 0 } 16
 { Found defective ... 16 }

Many complaints as to nuisances from manholes to sewers have been received during the year, in spite of frequent cleansing and flushing of sewers, and a few air-tight covers have been fixed at the worst manholes.

Scavenging.

During the past year, 8,928 loads of nightsoil have been removed from the ashpits in your district, this being a decrease of 13 loads upon last year, although there is an increase of 27 ashpits. This I attribute to the warm summer and stricter economy

in the use of coals, as the result of bad trade. The total cost of nightsoil removal for the same period, including both manual and team labour, has been 1s. 4½d. per load of refuse, practically the same as last year, and at an annual cost of 9s. 5½d. per ashpit, as against 9s. 10d. for last year. The refuse continues to be satisfactorily disposed of, although to judge from the continually increasing amount of tins of all descriptions found deposited in the ashpits, one cannot but think that too much tinned food is eaten by the people in this district.

The sewers, cesspools, and gullies have been regularly cleansed and disinfected.

Good progress continues to be made in reconstructing existing conveniences.

Summary of Conveniences in the district:—

No. of ashpits in use in Dec.,	No. of trough closets flushed
1904 1280	automatically with
„ ashpits open 166	town's water ... 139
„ ashpits covered in ... 1114	„ trough closets flushed
„ dry ashpits 326	by sanitary staff,
„ privies 1451	with town's water ... 14
„ combined privies and	„ urinals cleansed by
ashpits 954	sanitary staff ... 1
„ water closets 468	„ cesspools emptied by
„ waste water closets ... 102	sanitary staff ... 14

The following is a list of the new Sanitary conveniences built in place of old conveniences condemned.

1 Block consisting of 1 Privy and 1 Ashpit.

7 Blocks „ 2 „ „

1 Block „ 3 „ „

1 „ „ 4 „ „

1 „ „ 5 „ „

1 „ „ 1 W.C. and 1 Dry Ashpit.

In addition 3 ashpits have been covered in and 1 rebuilt, which provides extra sanitary accommodation to the extent of 6 privies and 1 ashpit.

Infectious Disease.

During the past year I have made 231 visits in connection with infectious diseases, and 124 houses, 1 school, 16 vehicles, and the Sty Bank Hospital have been disinfected. There has been two separate outbreaks of small pox, both of which, however, were promptly dealt with by your Sanitary Staff with satisfactory results, and when one remembers that there has been six separate and distinct outbreaks of small pox in this district during the past four years, all of which have been stamped out in the early stages, without any further spreading of the disease, it is a matter for self satisfaction, and one cannot but think that the measures we adopt are effective and in the right direction. The keeping of disinfectants at five depôts in the district has been greatly appreciated and made good use of by inhabitants generally. Special attention has been paid to the cleansing of ashpits, sewers and gullies where infectious outbreaks have occurred.

Dairies, Cowsheds, and Milkshops.

Number of cowkeepers on register	...	...	...	...	...	34
„ purveyors of milk on register (not cowkeepers)	...	...	...	...	...	15
„ cowsheds on register	...	...	...	...	...	61

All the cowsheds and milkshops in the district have been periodically inspected, and with few exceptions a marked all-round improvement is noticeable.

Slaughter Houses.

In my visits to the 7 Slaughter-houses in the district I continue to find them, with one exception, very clean and highly satisfactory.

Offensive Trades.

There are 4 Offensive Trades carried on in the district, 3 fat extractors and 1 tripe boiler, and 13 fried fish shops, which, with occasional exceptions, I have found satisfactory.

Food and Drugs Act.

14 samples of new milk have been taken by me during the past year, their quality, according to analysis, being as follows:—Superior quality 4, Genuine 5, Fair quality 2, Inferior quality 1, Adulterated 2. The adulteration was to the extent of $4\frac{1}{2}$ parts of added water in each case.

Canal Boats.

52 Canal Boats have been inspected, and all were satisfactory except 3, for which remedial certificates have been received.

Smoke Abatement.

During the past year, owing to stress of other work, not so much has been done in this matter beyond the taking of observations. I have taken 19 observations of 7 chimneys, and a record is being kept for future reference.

Buildings.

During the past year 45 new houses, a school, an infectious hospital, and a mortuary have been built. Of the 45 houses 6 are detached villas and the remainder are 4-roomed cottage houses. 37 plans have been deposited, of which 30 were approved and 7 disapproved. At the present time there are 33 houses in course of erection in the district. 7 old dwelling houses have been condemned and closed, 6 being at Carr Lane, Bell Hill, and 1 at Rothwell Haigh.

In conclusion I beg to again express my appreciation of the courtesy extended to me by the members of the Council and also my thanks to the Medical Officer of Health for his kindly courtesy and support in the carrying out of my duties.

I am, Gentlemen,

Your Obedient Servant,

Earnest Frederick Moorhouse,
Assoc. R. San. Inst.

